

Abstract

The present invention is directed to a device for regulating the flow of a fluid to be delivered intravenously and comprises, in a particular embodiment, a parlyene-coated top (18) having an inlet and a bottom (20) having an outlet, wherein the top and bottom are rotatably connected and define a housing (12). The inlet and the outlet define a fluid passage through the housing (12). The device further comprises a diaphragm (14) and a diaphragm holder (16) disposed in the housing (12). The diaphragm (14) and the diaphragm holder (16) regulate the flow of fluid in the fluid passage in response to the rotation of the top (18) relative to the bottom (20). The device is characterized in having a medium static turning torque and a medium dynamic turning torque.